

ack Oct. 7/14



DEPARTMENT OF MARINE AND FISHERIES, CANADA.
METEOROLOGICAL SERVICE.

Monthly Weather Review

VOL. XXXVIII.

JULY, 1914

No. 7

INTRODUCTION.

In compiling the present Review, the principal data made use of are the telegraphic reports of observations received at this office for the purpose of weather forecasting, and reports by mail from voluntary observers and storm-signal agents. For the data used in tracing the paths of areas of high and low pressure in the United States, we are indebted to the Chief of the Weather Bureau, Washington, D.C.

LOW AREAS.

Ten areas of low pressure were sufficiently defined to admit of their paths being approximately charted, while there were other very minor ones which could not be accurately plotted. Eight of the areas were first indicated in the neighborhood of the Rocky Mountain districts of Alberta, Montana and Idaho; of the remaining two one appeared near James Bay, the other off the South Carolina coast.

The systems were all of feeble intensity, while six of those from the northwest portion of the continent apparently travelled to the Hudson Bay region. No gales were experienced in the settled portions of Canada, and there was but little rain generally.

HIGH AREAS.

Seven areas of high pressure were charted. Five first moved on to the continent between the 45th and 55th parallels of latitude, while the others were first shewn near Hudson's Bay. The systems were of the usual feeble summer type of areas.

ATMOSPHERIC PRESSURE.

From Southern Alberta to the Atlantic coast the mean atmospheric pressure at the telegraph stations was higher than normal, except at Winnipeg, Ottawa, and at Chatham, N.B., where the normal was just reached. In Southern British Columbia also the pressure was in excess, but in the northern interior and on the north coast of the same province, as well as in the northern portions of Saskatchewan, there was a deficiency.

GENERAL SYNOPSIS OF TEMPERATURE AND PRECIPITATION.

The following table is intended to show the average values of temperature and precipitation for each province for the month under review. District and Provincial means would, under ideal conditions, be derived from stations situated in equi-areal squares. But since in reality they are so situate as to appear, rather, constellation-wise upon the map, anomalous values arising from local topographical peculiarities may have received more than their just weight in the computation of the following averages.

Where no difference from normal is assigned, observations over a period long enough for reference are not available.

PROVINCE AND DISTRICT.	TEMPERATURE (FAHR.).						PRECIPITATION.				STATION DIFFERENCES FROM NORMAL TEMPERATURE
	Mean Daily	Mean Daily Maximum	Mean Daily Minimum	Mean Daily Range	Extreme Highest	Extreme Lowest	Total in Inches	Difference from Normal	Number of Days	Greatest Fall.	
BRITISH COLUMBIA—											
South Vancouver Island	62.0	73.0	51.0	22.0	94	36	0.24	—65	3	0.60	+1°
North Vancouver Island	60.0	68.0	51.0	17.0	85	38	1.45	—	11	0.79	+1°
Lower Fraser River	64.0	76.0	51.0	25.0	92	35	0.33	—84	3	0.45	—2° to +3°
Upper Fraser River	59.0	73.0	46.0	27.0	94	31	2.24	—	10	0.83	—2° to —4°
Okanagan and Similkameen Valleys	68.0	84.0	52.0	32.0	99	34	0.55	—70	3	0.75	+2°
West Kootenay	67.0	82.0	51.0	31.0	101	31	1.06	—55	5	1.26	+2° to +3°
East Kootenay	65.0	82.0	49.0	33.0	98	34	1.31	—	6	0.69	+3° at Elkto
Thompson River	68.0	84.0	52.0	32.0	102	35	0.79	—60	5	0.71	+1° to +5°
North Columbia River	62.0	76.0	48.0	28.0	95	36	1.09	—50	5	1.05	+2°
North Coast	56.0	62.0	50.0	12.0	79	36	9.87	—	22	2.02	—3°
Queen Charlotte Islands	56.0	62.0	49.0	13.0	71	43	7.15	+110	18	3.73	—0.5°
ALBERTA—											
North Saskatchewan River	54.0	73.0	49.0	28.0	68	32	1.98	—32	9	1.20	+2°
The Red Deer River	63.0	79.0	48.0	31.0	96	33	1.75	—33	9	0.83	+1° to +2.5°
The Bow River	67.0	84.0	59.0	34.0	104	30	0.87	—60	1	1.96	+3° to +7°
Athabasca River	—	—	—	—	—	—	—	—	—	—	—
Peace River	—	—	—	—	—	—	—	—	—	—	—
SASKATCHEWAN—											
Qu'Appelle River	69.0	84.0	55.0	29.0	104	39	1.85	—23	7	3.10	+5° to +8°
S Saskatchewan River	69.0	86.0	52.0	34.0	101	37	0.58	—75	2	0.34	+1° to +7°
N Saskatchewan River	66.0	81.0	51.0	30.0	102	33	1.01	—50	4	0.95	+5.5° at Battleford
Saskatchewan Forks	68.0	82.0	54.0	28.0	99	39	1.13	—50	8	1.06	+6°
Lower Saskatchewan River	66.0	79.0	53.0	26.0	93	42	2.21	—	8	1.17	—
MANITOBA—											
Qu'Appelle and Assiniboine Rivers	71.0	84.0	58.0	26.0	107	40	1.92	—5	9	1.39	+5° to +9°
The Red River	71.0	84.0	58.0	26.0	100	43	4.07	+60	8	5.26	+6°
Danforth Lake and River	70.0	82.0	57.0	25.0	97	36	2.40	—	10	0.58	—
ONTARIO—											
Lake Superior Districts—											
Rainy River	68.6	81.0	56.0	25.0	98	35	3.32	—	10	1.70	—
Thunder Bay	62.0	76.0	49.0	27.0	92	32	3.05	+5	10	1.60	+1°
Almanor	64.0	79.0	49.0	30.0	97	23	1.47	—	7	0.83	+1° at White River
Nipissing	65.0	79.0	51.0	28.0	94	37	1.48	—	9	0.46	+0° at Harleybury
Upper Ottawa River	65.0	81.0	50.0	31.0	94	37	1.22	—61	7	0.54	0° to —1°
Upper St. Lawrence and Ottawa River	68.0	79.0	57.0	22.0	95	38	1.70	—60	6	0.88	—2° to +3°
Georgian Bay Counties	65.0	77.0	53.0	24.0	92	35	1.27	—55	6	1.15	+1° to —2°
Lake Huron Counties	67.0	77.0	57.0	20.0	99	40	1.52	—45	6	0.75	—1°
Lakes St. Clair & Erie, Niagara Peninsula	70.0	81.0	60.0	21.0	95	42	1.76	+40	6	1.64	—2° to +2°
West Central Counties	69.0	81.0	57.0	24.0	91	39	1.07	—60	6	0.89	+1°
Lake Ontario Counties	69.0	80.0	59.0	21.0	95	43	0.74	+75	7	0.65	+1°
East Central Counties	68.0	80.0	55.0	25.0	93	37	1.23	+75	5	1.90	—1° to +1°
QUEBEC—											
Middle St. Lawrence	65.0	76.0	51.0	22.0	95	36	1.96	—60	9	1.90	0° to —5°
Lower St. Lawrence & Gulf	60.0	70.0	50.0	20.0	91	36	1.57	+50	7	0.85	+1° to +1°
Lake St. John	64.0	77.0	52.0	25.0	98	35	1.66	—	12	1.17	+2.2° at Chicoutimi
Northwestern Districts	66.0	81.0	51.0	30.0	100	32	1.80	—	6	1.04	+1.7° at Abitibi
NEW BRUNSWICK—											
All Stations	63.0	74.0	52.0	22.0	90	35	2.36	+28	7	2.10	+1° to —2.5°
NOVA SCOTIA—											
All Stations	62.0	73.0	51.0	11.0	88	34	2.20	+40	8	2.24	+2° to —5°
PRINCE EDWARD ISLAND—											
All Stations	63.0	72.0	54.0	15.0	82	37	2.50	+30	7	0.93	+2°

WINDS, JULY, 1914

PROVINCES AND STATIONS.	Total Mileage.	Greatest Mileage in 24 hours.	Greatest Mileage in 1 Hour			Number of Days of			GENERAL DIRECTION
			Miles	Direction	Date	Gales	Strong Winds	Fresh Winds	
BRITISH COLUMBIA.									
Atlin.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prince Rupert.....	10811	702	44	SW	19	7	18	6	SW
Victoria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Point Garry.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vancouver.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kamloops.....	2349	142	11	SE	5	.....	.....	.....	.....
ALBERTA.									
Edmonton.....	5140	480	30	NW	15	1	6	13	NW
Calgary.....	3774	261	22	NW	21	2	10	10	NW
SASKATCHEWAN.									
Battleford.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prince Albert.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Swift Current.....	8396	568	33	SW	1	.....	.....	.....	.....
Qu'Appelle.....	7053	533	28	W	22	9	17	W	W
MANITOBA.									
Le Pas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnipeg.....	8202	515	28	SE	5	.....	12	18	.....
ONTARIO.									
Port Arthur.....	5389	311	25	W	16	.....	3	18	E,NW
White River.....	2679	214	19	W	16	.....	1	6	.....
Cochrane.....	5336	322	21	SW	16	.....	1	16	.....
Parry Sound.....	3974	228	16	SW	17	.....	7	7	SW
Southampton.....	4912	317	21	NE	28	2	12	12	S,NW
Pele Island.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
**Woodstock.....	5712	292	20	NW,SW	18-23	.....	3	19	NW
Guelph.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Toronto.....	6701	408	24	NE	27	.....	8	18	NE
Kingston.....	5513	355	22	S	22	3	12	12	S,NE
Stonecliffe.....	2569	209	15	W	17	.....	.....	.....	.....
Ottawa.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
QUEBEC.									
Montreal.....	6609	314	19	NW	21	.....	1	22	N
Sherbrooke.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quebec.....	7221	410	30	NE	29	1	12	15	SW,NE
Father Point.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anticosti, SW.....	7548	458	26	S	17	.....	14	12	SE
Harrington.....	16322	479	35	.....	23	3	22	6	.....
NEW BRUNSWICK									
Pt. Escuminac.....	8087	465	30	W	23	1	11	16	S
Fredericton.....	4531	27	20	SW	14	.....	2	19	W
St. John.....	4884	347	26	SW	8-14	.....	4	17	S
Pt. Lepreux.....	6801	411	31	SW	14	1	13	11	.....
NOVA SCOTIA									
Yarmouth.....	6636	488	27	SW	22	.....	8	19	SW
Wolfville.....	5737	482	27	.....	18	.....	4	17	W
Halifax.....	7136	455	29	SW	21	.....	9	18	W
Sable Island.....	10985	551	29	SW	8	.....	10	10	SW,NE
Flat Point.....	7075	488	29	.....	23	.....	16	12	W,SE
PRINCE EDWARD ISLAND									
Charlottetown.....	4558	280	19	SW	21	.....	1	14	SW

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA. JULY, 1914.

*Stations not furnished with Registering Thermometers.

STATION.				TEMPERATURE.								PRECIPITATION.							
	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Mean.	Difference from average.	Year's Observations.	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.	Days with 0.1 or more.	No. of fair days	No. of auroras	No. of thunderstorms.	No. of fogs
BRITISH COLUMBIA—																			
<i>S. Vancouver Island</i>																			
Alberni (Beaver Creek).....	49 15	124 49	300	63.6	- 1.6	19 94.0	18-19	36.0	30	32.3	0.31	- 0.66	0.27	3 28	..	..	..	..
Clayoquot.....	49 11	125 55	27	58.8	+ 0.6	15 75.0	17-18	44.0	26-29	19.7	1.05	- 0.96	0.60	5 28	..	..	..	..
Clo-oose.....	49 40	124 50	.....	55.4	-	2 68.0	1-16	42.0	29	13.5	0.22	-	0.12	5 26	..	..	..	5
Cobble Hill.....	.....	.....	33	60.5	-	1 79.5	19	41.0	28	21.7	0.11	-	0.07	3 28	..	..	..	..
Cowichan (Tzozahalem).....	48 25	123 42	170	53.9	+ 0.6	10 85.0	17	42.2	29	23.6	0.15	- 0.49	0.07	4 27	..	..	..	..
Departure Bay.....	49 40	124 0	.....	65.2	-	2 86.2	17	46.5	27	21.5	0.07	-	0.04	3 28	..	..	..	..
Gillies Bay.....	49 40	124 32	.....	63.0	-	2 83.0	2-31	43.0	27	23.2	0.26	-	0.26	1 30	..	..	..	..
James Island.....	.....	.....	61.8	-	1 50.5	18	44.6	26	19.9	0.02	-	0.62	1 30	..	..	..	..	..
Ladysmith.....	48 57	123 39	.....	62.6	-	2 82.0	11-17	42.0	26	23.7	0.35	-	0.24	3 28	..	..	..	..
Lazo (Little River).....	49 44	124 54	12	62.4	-	1 79.5	19	42.5	25	18.4	0.32	-	0.30	2 29	..	..	..	..
Ne-naino.....	49 10	123 37	125	64.1	+ 1 3	14 85.0	17	48.8	27	15.9	0.10	- 0.65	0.06	5 25	..	..	..	..
Nanooze Bay.....	43 17	124 12	130	62.5	-	3 85.0	17	42.0	27-28	23.6	0.16	-	0.13	2 29	..	..	..	..
Qualicum Beach.....	.....	.....	62.4	-	1 84.0	19	41.6	25	23.9	0.28	-	0.26	2 29	..	..	..	..	..
Salt Spring Island.....	48 50	123 20	.....	62.6	-	5 83.0	18	45.0	28-31	21.8	0.12	-	0.07	5 26	..	..	..	1
Shawnigan Lake.....	48 37	123 41	.....	69.2	-	2 88.0	17-18	42.0	27-28	26.8	0.11	-	0.06	3 28	..	..	..	..
Sidney.....	48 27	123 27	200	63.5	-	1 55.5	18	44.0	25	23.6	0.13	-	0.12	2 29	..	..	..	..
Sooke.....	48 41	123 44	25	59.5	-	4 82.0	17	39.0	30	23.0	0.06	-	0.06	1 30	..	..	..	..
Victoria.....	48 24	123 19	55	59.7	- 1 2	22 89.3	17	48.2	6	15.8	T	- 0.35	T	0 31	..	..	..	..
<i>N. Vancouver Island</i>																			
Alert Bay.....	50 33	127 0	.....	57.2	-	1 74.0	4-5	38.0	2-9	19.3	1.25	-	0.30	13 18	..	..	..	..
Holberg.....	50 39	128 18	.....	58.5	-	6 78.0	3	41.0	26	15.3	3.56	-	0.79	14 17	..	..	..	..
Mary Island.....	.....	.....	63.7	-	1 85.6	17	46.0	26	38.8	0.31	-	0.13	5 26	..	..	..	..	..
Quatsino.....	50 32	127 40	.....	58.9	+ 1 4	19 74.0	15-18	41.0	26	17.0	0.74	- 2.32	0 18	12 19	..	..	..	..
Triangle Island.....	50 52	129 5	680	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	..	..
<i>Lower Fraser River</i>																			
Agassiz.....	49 14	121 31	62	62.1	- 1 9	22 87.0	17	59.0	28	30.7	0.15	- 2.15	0.12	2 29	..	..	..	..
Brutannia Beach.....	40 39	123 5	165	59.8	-	1 79.0	2-18	40.0	28-29	23.7	0.48	-	0.15	5 26	..	..	..	..
Chilliwack.....	49 10	121 57	21	63.2	- 0.9	14 88.0	18	39.0	28	26.1	0.17	- 1.86	0.08	5 26	..	..	..	..
Hope.....	49 25	121 25	500	65.3	-	5 90.5	18	45.0	28	23.8	0.11	-	0.06	3 28	..	..	..	..
Ladner.....	49 06	123 4	.....	62.5	+ 1 0	14 78.0	18	47.0	31	19.5	0.35	- 0.78	0.20	2 29	..	..	..	..
New Westminster.....	49 13	122 54	330	61.1	+ 1.6	27 85.4	18	45.0	28	22.7	0.56	- 0.75	0.31	3 28	..	..	..	..
North Nicomea.....	49 12	122 2	59	64.7	+ 0 1	22 87.0	18	45.0	28	23.2	0.08	- 1.86	0.05	2 29	..	..	..	..
Pemberton Hatchery.....	50 20	122 33	.....	64.9	-	6 91.0	2-18	40.0	27-29	31.8	0.34	-	0.21	4 27	..	..	..	..
Pemberton Meadows.....	50 29	122 40	.....	64.4	-	2 92.0	2	35.0	29-30	33.8	0.28	-	0.16	3 28	..	..	..	1
Ruskin (Stave Falls).....	49 16	122 23	125	65.9	-	5 91.5	19	41.0	28	29.1	0.87	-	0.45	5 26	..	..	..	..
Steveston (Garry Point).....	49 21	123 17	.....	61.6	+ 3 3	19 78.0	19	40.0	28	19.1	0.13	- 0.81	0.10	3 28	..	..	..	..
Vancouver.....	49 17	123 6	136	63.5	+ 0 4	14 79.9	17	47.0	30	19.8	0.42	- 1.20	0.26	4 27	..	..	..	..
<i>Upper Fraser River</i>																			
Babine Lake.....	55 38	126 26	.....	52.6	-	6 75.0	14	31.0	26	24.8	-	-	-	1	..	..	..	4
Barkerville.....	63 02	121 35	4180	52.1	- 2 9	26 74.0	31	32.0	16-20	22.9	4.69	+ 1.69	0.80	17 14	..	..	..	..
Chilcotin (Big Creek).....	51 40	120 50	3100	57.0	- 1.6	11 81.0	18-31	31.0	30	29.2	0.70	- 0.68	0.16	9 22	..	..	..	3
Cranberry Lake (South Frk).....	119 20	52.50	2460	.....	.....	1 94.0	12-18	41.5	27	27.4	0.44	-	0.22	2 29	..	..	..	..
Fifteen Mile Ranch (Pavilion).....	50 40	120 50	.....	69.7	-	2 94.0	12-18	41.5	27	27.4	0.44	-	0.22	2 29	..	..	..	..
Fort George.....	2	94.0	12-18	41.5	27	27.4	0.44	-	0.22	2 29
Fort St. James (Stuarts Lake).....	54 28	124 12	2280	55.1	+ 0 6	18 84.0	1	31.0	5	39.7	2.75	+ 1.53	0.36	18 13	3 3	..	..	..
Hydraulic.....	52 42	122 5	.....	60.0	-	2 87.0	30	35.0	29	30.9	2.47	-	0.53	15 16	..	..	..	3
Quesnelle.....	52 59	122 30	1700	58.0	- 4 2	19 88.0	4	39.0	20	24.9	2.76	+ 1.26	0.52	10 21	..	..	..	4
<i>Okanagan and Similkameen Valleys</i>																			
Duck Lake Ranch.....	50 3	119 20	1400	69.1	-	2 99.0	31	44.0	21-28	35.2	0.21	-	0.21	1 30	..	..	..	..
Hedley.....	19 35	120 10	1771	69.4	-	9 95.0	2-18	46.0	27	30.9	0.86	-	0.44	3 28	..	..	..	..
Hedley (Nickel Plate).....	.....	120 19	4500	.....	8	95.0	30	53.0	27	21.2	0.49	-	0.27	4 27	..	..	..	2
Keremeos.....	49 15	120 0	1372	71.3	-	5 91.0	30	34.0	27	21.2	0.49	-	0.27	4 27	..	..	..	2
Kelowna (Okanagan Mission).....	49 15	119 29	1200	68.6	+ 2 1	16 94.0	3 8	40.0	29	31.7	0.20	- 0.86	0.29	1 30	..	..	..	3
Kelowna (Bankhead Cr'd).....	.....	.....	.....	.....	1	94.0	31	41.0	29	31.1	1.41	-	1.41	1 30	..	..	..	..
Penticton.....	49 29	119 35	.....	69.6	-	8 98.0	18	44.0	21-27	31.9	0.35	-	0.26	4 27	..	..	..	..
Princeton.....	49 20	120 29	1660	64.6	+ 1 7	17 85.0	30	35.0	28	37.8	0.21	- 0.89	0.10	3 28	..	..	..	1
Richlands.....	50 18	118 35	.....	62.3	-	2 95.0	31	34.0	29	37.2	1.74	-	0.75	7 24	..	..	..	5
Summerland.....	49 36	110 40	1100	69.6	-	8 94.0	31	45.0	21	26.3	0.25	-	0.25	1 30	..	..	..	1
Vernon (Coldstream Ranch).....	50 14	119 15	1582	68.6	+ 2 3	21 96.0	31	42.0	28	32.5	0.62	- 0.68	0.36	4 27	..	..	..	..
<i>West Kootenay</i>																			
Boswell.....	49 19	116 41	.....	68.0	-	2 91.5	9-12	44.5	16-21	25.4	0.65	-	0.53	4 27	..	..	..	2
Crawford Bay.....	49 45	116 45	2000	67.2	-	3 91.0	31	44.0	20-21	29.8	1.00	-	0.49	6 25	..	..	..	..
Creston.....	49 6	116 33	1985	68.8	-	2 95.0	31	40.0	20	30.4	0.69	-	0.56	2 29	..	..	..	1
East Arrow Park.....	.....	121 33	1413	65.0	-	1 91.0	31	41.0	29	31.1	1.41	-	0.45	6 25	..	..	..	4
Fauquier.....	49 54	118 6	.....	65.7	-	2 99.0	3	38.0	16	36.6	0.40	-	0.17	5 26	..	..	..	..
Grand Forks.....	49 2	118 27	1746	70.1	-	4 101.0	31	41.0	21	36.9	0.45	-	0.30	3 28	..	..	..	2
Greenwood.....	49 1	118 6	2400	61.2	-	4 99.0	30	31.0	20	34.1	0.49	-	0.34	4 27	..	..	..	..
Howser.....	50 18	117 0	.....	66.8	-	2 91.0	31	43.0	16	28.9	1.51	-	0.63	7 24	..	..	..	..
Kaslo.....	49 52	117 0	1752	64.6	-	3 90.0	31	41.0	20	27.3	1.17	-	0.55	6 25	..	..	..	..
Nakusp.....	50 14	117 49	.....	64.0	-	2 99.0	3-31											

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JULY, 1914.

*Stations not furnished with Registering Thermometers

STATION.	Latitude N. ° ° ° °	Longitude W. ° ° ° °	Elevation above sea level, in feet.	TEMPERATURE					PRECIPITATION					
				Mean.	Difference from average.	Yrs' Observations.	Highest	Date.	Lowest	Date	Mean daily range	Amount	Difference from average.	
BRITISH COLUMBIA—Con.														
Monte Creek.....	50 35	119 59	1156	69.0	—	2	97.0	30	41.0	16-29	28.4	0.18	—	
Nicola Lake.....	50 9	120 39	2120	63.5	+ 2.2	19	89.0	31	41.0	29-31	29.7	0.04	+ 0.92	
Salmon Arm.....	50 42	119 35	1152	67.0	—	9	95.0	3	40.0	29-31	29.7	0.53	—	
Salmon Arm (Exp. Farm).....	50 42	119 35	1350	67.3	+ 1.4	4	96.0	3	40.0	28-32	34.2	0.76	—	
Tappen.....	50 41	120 29	71.0	—	2	102.0	3-11	42.0	29	58.8	6.9	—	0.32	
Tranquille.....	50 41	120 29	71.0	—	6	100.0	1	39.0	21	50.1	0.75	—	0.27	
Vincentby.....	51 36	119 45	1450	63.5	—	1	94.0	30-31	37.0	15-29	32.7	1.87	—	0.51
North Columbia River														
Glacier.....	51 14	117 29	4072	57.5	+ 0.5	13	83.0	4-11	36.0	16	23.0	1.8	+ 0.53	1.05
Golden.....	51 0	118 6	1476	63.4	+ 2.1	13	93.0	31	38.0	29-30	2.2	0.42	+ 0.35	0.75
Revelstoke.....	51 16	116 5	2550	65.1	+ 2.1	14	97.0	4	42.0	29	29.9	0.97	+ 1.62	0.79
North Coast														
Beala Coola.....	52 49	126 54	150	58.3	+ 3.7	17	79.0	1	43.0	20	12.5	3.31	+ 0.64	0.72
Prince Rupert.....	54 18	130 18	170	64.9	+ 2.5	6	66.0	30	48.0	3-27	8.3	17.25	—	2.61
Stewart.....	56 1	130 1	215	53.0	—	4	73.0	4	36.0	9	14.4	9.06	—	1.28
Terrace.....	54 30	128 30	545	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Welcome Harbour.....	53 55	130 22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Queen Charlotte Islands														
Iheda Bay.....	52 17	131 7	5	54.6	—	6	66.0	12	43.0	3	11.8	8.22	—	3.73
Masset.....	53 58	132 9	10	56.6	+ 0.3	17	71.0	10	45.0	20-31	15.6	6.04	+ 3.18	1.15
Yukon Boundary														
Atlin.....	59 35	133 38	2240	50.0	—	8	63.0	10-11	34.0	4-5	15.8	0.66	—	0.45
YUKON—														
Carcross.....	60 11	134 34	2171	59.4	—	7	67.0	10-29	32.0	5	19.1	1.02	—	0.43
Dawson.....	64 4	139 29	1200	57.1	+ 0.8	13	84.0	16	32.0	3-7	28.1	1.73	+ 0.61	0.39
ALBERTA—														
N. Saskatchewan River														
Campsie.....	54 8	114 42	.....	61.3	—	2	85.2	3	31.6	29	26.4	3.72	—	1.10
Coronation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9.0	—	1
Daysland.....	55 52	112 17	.....	63.7	—	4	88.0	3-19	43.0	28	26.3	1.55	—	0.40
Edmonton.....	53 33	113 30	2158	63.5	+ 2.0	31	84.4	3	46.0	29	23.5	3.24	+ 0.51	1.20
Endiang.....	52 0	112 0	2795	63.9	—	3	89.0	28	37.0	23	29.2	1.24	—	0.33
Halkirk (Emsburg).....	52 17	112 10	.....	63.4	—	5	95.0	3	35.0	22	30.6	1.52	—	0.55
Lloydminster.....	53 18	110 0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Loveland.....	52 30	111 59	.....	65.9	—	5	95.0	31	41.0	29-30	28.4	0.98	—	0.25
Ranfurly (Wartefield).....	53 29	111 38	2000	62.9	+ 2.4	10	90.0	30	40.2	29	27.5	1.50	+ 1.70	0.39
Sedgewick.....	52 47	111 41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sion.....	53 54	114 15	.....	62.1	—	2	89.0	3	32.0	29	30.8	3.36	—	0.80
Vermilion.....	53 22	110 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wastina.....	51 39	111 5	.....	65.7	—	2	95.0	27	35.0	22	33.2	0.70	—	0.25
Wetaskiwin.....	52 58	113 23	2480	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
The Red Deer River														
Ali.....	52 24	113 10	2585	64.4	—	10	90.5	4	40.0	15	29.9	1.41	—	0.28
Alsask.....	57 7	—	—	67.7	—	1	96.0	4	41.0	22	32.1	2.10	—	0.83
Clemens.....	51 15	114 44	.....	65.8	—	2	95.0	4-28	38.0	21-22	39.2	2.10	—	0.81
Delia.....	51 38	112 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Didsbury.....	51 40	114 8	3300	62.6	+ 0.7	13	88.0	3	40.0	16-21	28.9	1.55	+ 1.30	0.42
Harmattan.....	51 45	114 23	3500	59.5	—	7	88.0	4-20	33.0	32	31.0	1.46	—	0.53
Hillsdown.....	52 14	113 29	2940	63.0	+ 2.5	10	89.0	3	42.0	32	26.9	1.86	+ 0.80	0.43
Lacombe (Ex. Farm).....	52 58	113 44	2783	62.3	—	7	87.6	3	39.3	29	28.5	1.14	—	0.26
Moose (Tyrol).....	51 15	110 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Olds.....	52 32	113 10	.....	62.3	—	1	91.0	19	34.0	16	30.3	1.22	—	0.42
Perbeck.....	51 58	113 5	.....	64.7	—	2	92.0	11	39.5	32	31.9	2.12	—	0.51
Red Deer.....	52 16	113 49	28 06	61.6	+ 1.9	14	90.0	3	39.0	22	28.2	2.51	+ 0.85	0.50
Springdale.....	52 51	110 12	.....	61.0	—	2	88.0	3	35.0	28	30.7	1.70	—	0.63
The Bow River														
Brooks.....	50 34	111 54	.....	67.4	—	3	94.0	19	41.0	22	31.4	2.52	+ 0.65	1.06
Calgary.....	51 2	114 2	3427	65.5	+ 5.7	30	91.0	31	42.0	16	31.7	2.52	—	0.24
Clareholm.....	50 2	113 35	.....	65.2	—	1	98.0	20-31	33.0	21	35.1	0.37	—	0.16
Expanse Coulee.....	50 3	113 35	.....	69.3	—	1	99.0	19	36.0	16	36.4	0.59	—	0.2
Glenchen.....	50 59	112 54	2052	65.2	+ 3.6	12	90.0	3-31	43.0	22	30.4	1.10	+ 1.22	0.41
High River.....	50 35	113 53	3344	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lawrence (Parkland).....	50 16	113 26	2500	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lethbridge (Exp. Farm).....	49 43	112 51	.....	67.5	—	7	94.2	31	40.0	16	31.6	0.95	—	0.42
Lundbreck.....	50 1	113 24	3128	59.9	—	1	89.5	30	30.0	16	55.1	5.59	—	0.32
Macleod.....	40 44	113 24	3128	67.4	+ 2.5	22	98.5	31	42.0	16	32.4	0.15	+ 1.76	0.15
Medicine Hat.....	50 1	110 37	2143	75.6	+ 7.4	30	104.0	19	46.0	17-21	34.8	0.34	+ 1.53	0.23
Medicine Hat (Ex Farm).....	50 43	113 59	.....	72.7	—	1	103.0	28	40.0	17	32.7	0.24	—	0.18
Otakots.....	50 43	113 59	.....	64.0	—	2	91.0	4	34.5	16	33.3	1.20	—	0.66
Pekisko.....	50 26	114 14	.....	58.6	—	1	91.0	30	32.0	24	33.6	0.14	—	0.73
Pincher Creek.....	50 5	111 34	2350	65.8	+ 5.1	16	91.0	30	42.0	16	28.6	0.61	+ 2.19	0.25
Ronolane.....	50 5	111 34	2350	68.4	—	1	99.0	12-19	43.0	1	10.1	0.50	—	0.20
Strathmore.....	51 3	113 23	.....	64.3	—	2	89.7	31	41.5	21	29.8	0.87	—	0.59
Suffield.....	50 13	111 9	.....	71.0	—	1	100.0	13	42.0	21	34.0	0.37	—	0.30
Sundial.....	50 6	112 34	.....	69.5	—	4	96.5	19	43.0	15-20	36.4	0.87	—	0.58
Rocky Mountains														
Banff.....	51 10	115 34	4542	60.8	+ 3.8	19	90.0	31	34.0	16	32.3	1.11	+ 1.55	0.26
Brazzen Forest (Coal Spur).....	49 40	114 30	4225	—	—	2	85.0	19-31	—	—	—	1.09	—	0.91
Athabasca River														
Athabasca Landing.....	54 43	113 17	1650	62.2	+ 3.0	12	85.0	1	35.0	20	27.0	0.82	+ 0.49	0.84
Edson.....	53 33	116 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jasper.....	54 33	114 19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lunxford.....	54 12	114 0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Peace River														
Beaver Lodge.....	55 2	119 24	.....	56.8	—	2	83.0	1	27.9	28	24.1	1.52	—	0.32
Univegan.....	55 56	118 35	1305	—	—	9	—	—	35.0	29	—	0.67	—	0.18
Fort Vermilion (1).....	58 27	116 3	.....	—	—	7	102.0	1	35.2	0	28.7	1.74	—	0.48
Fort Vermilion (2).....	.....	.....	.....	60.0	—	7	102.0	1	35.2	0	28.7	1.74	—	0.48
Grande Prairie.....	.....	.....	.....	54.3	—	1	90.0	2	30.0	17-29	26.7	0.87	—	0.50
Peace River Crossing.....	56 15	117 15	.....	—	—	—</td								

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JULY, 1914.

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STATION.	TEMPERATURE.												PRECIPITATION.													
	Latitude N.	Longitude W.	Elevation above sea level, in feet.	Mean.	Difference from average.	Year's observation.	Highest.			Lowest.			Mean daily range.	Amount.	Difference from average.	Heaviest fall in month.	Days with .01 or more.	No. of auroras.	No. of thunderstorms.	No. of foggy days.						
							Date	Year	Month	Date	Year	Month														
MANITOBA—Continued	°	°																								
<i>Dauphin Lake and River</i>																										
Berens River.....	52	18	97 23	710	—	—	4	95.0	27	—	—	—	—	3.27	—	0.68	8 23	1	1	1	1	1	1	1	1	
Dauphin.....	51	8	100 2	957	—	—	5	92.0	28	35.9	7 22	9	4.93	—	0.68	16 15	1	7	1	1	1	1	1	1	1	
Moose Horn Bay (Aitkensville).....	51	15	99 33	810	68.8	—	1	97.0	27	40.0	22 26	9	1.04	—	0.43	6 25	1	1	1	1	1	1	1	1	1	
Swan Lake.....	—	—	—	—	71.0	—																				
<i>Lake Winnipegosis.</i>																										
Le Pas.....	52	6	101 15	1112	69.6	—	5	92.0	28	34.0	16 24	7	2.78	—	1.20	12 19	1	1	1	1	1	1	1	1	1	
ONTARIO—																										
<i>The Lake Superior Districts</i>																										
<i>Rainy River</i>																										
Dryden.....	48	18	93 25	—	68.1	—	1	89.0	6	36.0	18 22	7	3.41	—	0.72	13 18	1	2	1	1	1	1	1	1	1	
Fort Frances.....	48	36	93 25	—	72.2	—	1	95.0	15	50.0	1-2 25	6	2.71	—	0.80	8 23	1	1	1	1	1	1	1	1	1	
Ignace.....	49	44	9 32	1102	67.4	—	1	89.0	12	40.0	8 24	4	2.87	—	0.92	12 19	1	6	1	1	1	1	1	1	1	
Kenora.....	49	44	9 32	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Rainy River																										
Shoal Lake.....	49	37	95 6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Sioux Lookout.....	48	50	87 15	933	66.0	—	1	91.0	6	35.0	3 28	9	4.28	—	1.70	9 22	5	40	1	1	1	1	1	1	1	
<i>Thunder Bay</i>																										
Heron Bay.....	48	18	86 16	—	58.3	—	0 7	16	84.0	13	29.0	19 24	8	3.71	+1.62	1.31	8 23	1	1	1	1	1	1	1	1	
Kakabeka Falls.....	48	29	89 26	912	63.8	—	6	89.0	24	37.0	18 34	0	4.31	—	1.17	12 19	2	10	1	1	1	1	1	1	1	
Nipigon.....	49	44	9 21	—	64.9	+ 2 1	13	89.0	14	36.0	8 29	3	3.34	—	1.60	14 17	1	4	1	1	1	1	1	1		
Oscar.....	48	27	89 12	644	63.5	+ 1 3	34	85.0	20	41.0	18 20	6	2.66	—	1.19	9 22	1	1	1	1	1	1	1	1		
Port Arthur.....	48	27	89 12	1506	63.4	+ 2 3	13	92.0	6	33.0	29 30	7	2.30	+ 1.43	0.58	13 18	1	8	1	1	1	1	1	1		
Savanne.....	48	55	90 18	1506	63.4	+ 2 3	13	92.0	14	32.2	29 32	3	0.83	+ 1.41	1.50	4 27	1	4	1	1	1	1	1	1		
Schreiber.....	48	50	87 15	933	62.1	+ 0 8	15	86.0	11	38.0	19 27	3	2.93	—	1.02	11 20	2	4	5	1	1	1	1	1		
<i>Algoma</i>																										
Bisco.....	47	40	82 11	1333	64.1	—	1	90.0	16	34.0	19 25	5	2.43	—	0.44	10 21	1	1	1	1	1	1	1	1		
Bruce Mines.....	46	18	83 55	595	64.6	—	16	90.0	15	34.0	19 28	6	1.64	—	0.56	7 24	1	1	1	1	1	1	1	1		
Chapleau.....	47	48	83 28	—	64.6	—	1	90.0	15	34.0	19 28	6	1.64	—	0.56	7 24	1	1	1	1	1	1	1	1		
Copper Cliff.....	46	30	80 59	—	—	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Grassett.....	48	29	81 20	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
Porcupine.....	45	40	82 14	—	66.3	—	3	97.0	16	34.0	19 28	3	0.84	—	0.35	6 25	1	1	1	1	1	1	1	1		
Providence Bay.....	48	35	85 16	1252	62.7	—	4	90.0	16	42.0	1-2 27	0	1.74	—	0.75	5 26	1	1	1	1	1	1	1	1		
Timmins (Wawaitean Falls).....	48	40	81 30	885	63.6	—	2	93.0	15	32.0	19 29	7	1.46	—	0.32	8 23	2	3	1	1	1	1	1	1		
Turbine.....	46	18	81 35	685	64.7	—	1	92.0	14	32.2	29 32	3	0.83	—	0.30	8 23	1	1	1	1	1	1	1	1		
White River.....	48	35	85 16	1248	61.6	+ 1 2	24	90.5	14	28.0	18-19	34.8	1.33	+ 1.34	0.61	8 23	1	1	1	1	1	1	1	1		
<i>Nipissing</i>																										
Cochrane.....	49	2	81 0	846	65.0	—	3	95.0	15	37.0	8 28	6	1.71	—	0.42	9 22	1	1	1	1	1	1	1	1		
Haileybury.....	47	29	79 39	687	66.4	+ 0 2	23	92.7	15	41.3	19 23	3	1.45	+ 1.82	0.44	11 20	6	3	1	1	1	1	1	1		
Iroquois Falls.....	48	45	80 40	850	63.6	—	2	94.0	14	37.0	29-30	34.0	1.26	—	0.46	6 25	1	1	1	1	1	1	1	1		
Montreal River.....	47	8	79 29	—	63.3	—	4	94.0	14	37.0	29-30	34.0	1.26	—	0.46	6 25	1	1	1	1	1	1	1	1		
<i>Upper Ottawa River</i>																										
Rutherford (Lake Talon).....	46	15	74 48	—	64.6	+ 1 0	20	94.2	14	37.0	30 34	3	0.93	+ 2.38	0.52	6 25	1	4	9	1	1	1	1	1		
Stonecliff (Rockcliffe).....	46	9	78 6	557	66.0	+ 0 0	27	92.0	15	40.0	20 28	7	1.52	+ 1.79	0.54	8 23	1	4	3	1	1	1	1	1		
<i>Upper St. Lawrence and Lower Ottawa Rivers</i>																										
Almonte.....	45	12	76 13	390	66.9	—	3	91.0	15	12.0	20 24	4	2.26	—	0.69	7 24	1	2	1	1	1	1	1	1		
Bloomfield.....	43	59	77 21	260	69.1	+ 0 6	14	89.0	18	47.0	1-2 21	0	1.08	+ 1.47	0.76	5 26	1	1	1	1	1	1	1	1		
Hillier.....	—	—	—	—	69.3	—	3	88.0	9	47.0	1-2 18	0	1.10	—	0.50	3 28	1	1	1	1	1	1	1	1		
Kingston.....	44	13	76 29	285	70.5	+ 2 7	40	86.0	13	49.5	22 12	6	0.58	+ 1.88	0.71	8 23	1	4	1	1	1	1	1	1		
Montague.....	44	56	75 57	—	67.5	—	2	89.0	10	40.0	20 25	2	1.95	—	0.84	7 24	2	4	1	1	1	1	1	1		
Morrisburg.....	44	56	75 12	—	64.5	—	2	89.0	14	38.0	22 25	6	2.3	—	0.88	6 25	1	3	1	1	1	1	1	1		
North Gower.....	45	8	75 43	—	68.5	+ 1 3	11	95.0	11	40.0	12-29	27.6	—	—	—	—	—	—	—	—	—	—	—	—		
Ottawa.....	45	26	75 42	294	67.4	+ 2 3	31	85.0	16	46.0	20 19	8	2.35	+ 1.75	0.73	9 22	1	5	2	1	1	1	1	1		
Renfrew.....	45	26	76 39	416	68.0	+ 0 6	25	90.0	14-17	43.0	30 26	3	1.42	+ 3.72	0.45	6 25	1	1	1	1	1	1	1	1		
<i>Georgian Bay Counties</i>																										
Barrie.....	44	23	79 41	339	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Beatrice.....	45	8	79 20	800	65.1	+ 0 4	39	85.0	16	43.0	20 22	6	1.54	+ 1.28	0.63	8 23	1	1	1	1	1	1	1	1		
Big Chute (Buskin P.O.).....	44	42	79 38	655	69.1	+ 2 2	2	92.0	15	46.0	18 21	8	0.65	—	0.25	4 27	1	1	1	1	1	1	1	1		
Coldwater.....	44	38	79 40	600	64.9	+ 1 8	25	90.0	16	35.0	20 30	2	0.40	+ 2.38	0.24	4 2										

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STATION	TEMPERATURE										PRECIPITATION							
	Latitude N.	Longitude W.	Elevation above sea level in feet.	Mean.	Difference from average.	Yrs' Observations	Highest.	Date.	Lowest.	Date.	Mean daily range.	Amount	Difference from Average.	Heaviest fall in month.	Days with 0.1 or more.	No. of fair days.	No. of auroras.	No. of thunderstorms.
ONTARIO—Continued—																		
Lake St. Clair & Erie, Niagara Peninsula	42° 23' 82° 12'	82° 15'	505	69.7	— 2.0	27 93.0	11 42.0	3 37.3	2.19	— 0.78	1.40	4 27	..	..	..	..	..	4
Chatham.....	42° 7' 82° 15'	82° 15'	306	69.7	— 2.0	27 93.0	11 42.0	3 37.3	2.19	— 0.78	1.40	4 27	..	..	..	..	..	..
Cottam.....	42° 7' 82° 15'	82° 15'	306	69.7	— 2.0	27 93.0	11 42.0	3 37.3	2.19	— 0.78	1.40	4 27	..	..	..	..	..	..
Dutton.....	42° 40' 81° 32'	81° 32'	70.2	71.9	— 1.2	94.0	7 47.0	4 24.3	2.40	— 0.89	0.87	4 27	..	..	..	..	..	..
Grimsby.....	43° 13' 79° 36'	79° 36'	55.5	71.9	— 1.2	95.0	11 52.0	18 29.4	1.66	—	0.73	6 25	..	..	..	..	..	..
Pele Island.....	41° 50' 82° 35'	82° 35'	55.5	71.9	— 1.2	95.0	11 52.0	18 29.4	1.66	—	0.73	6 25	..	..	..	..	..	..
Port Burwell.....	42° 39' 80° 55'	80° 55'	502	69.9	+ 0.8	11 81.0	11 50.0	19-29 17.5	1.71	— 0.97	0.99	6 24	..	..	..	..	..	1 1
Port Dover.....	42° 27' 80° 13'	80° 13'	635	69.5	+ 0.6	39 92.0	11 49.0	20 39.0	0.87	— 2.25	0.46	7 24	..	..	..	..	..	2 2
Port Stanley.....	42° 40' 81° 13'	81° 13'	502	68.2	+ 0.2	40 89.2	11-23 48.2	4 19.0	3.36	+ 0.00	1.04	8 23	..	..	..	..	..	5 5
St. Catharines.....	43° 9' 79° 17'	79° 17'	347	69.9	— 1.4	31 92.0	11 49.0	20 20.2	1.43	— 1.97	0.49	5 26	..	..	..	..	..	..
Stoney Creek.....	43° 13' 79° 45'	79° 45'	292	69.9	— 1.4	31 92.0	11 49.0	20 20.2	1.43	— 1.97	0.49	5 26	..	..	..	..	..	..
Wallaceburg.....	42° 35' 82° 24'	82° 24'	70.8	70.8	— 1.0	9 90.0	9 48.0	3 22.6	2.15	—	1.02	6 25	..	..	..	..	..	..
Welland.....	42° 59' 79° 17'	79° 17'	577	72.9	+ 1.8	28 91.0	16 54.0	19 19.6	1.04	— 1.05	0.34	8 23	..	..	..	..	..	..
Windsor.....	42° 20' 83° 4'	83° 4'	625	71.8	+ 0.9	29 91.0	23 52.0	19 17.9	1.67	— 0.75	0.94	5 26	..	..	..	..	..	..
West-Central Counties																		
Alton.....	43° 51' 80° 5'	80° 5'	1250	68.2	+ 1.7	27 90.0	17 41.0	20 25.0	0.71	— 2.88	0.37	4 27	..	3	1	..	..	..
Brantford.....	43° 10' 80° 21'	80° 21'	750	70.6	+ 0.3	26 94.0	26 46.0	19 26.9	0.84	— 1.54	0.42	6 25	1	..	..	..	..	..
Elora.....	43° 41' 80° 24'	80° 24'	1274	68.4	+ 1.9	17 92.0	11 39.0	20 28.6	0.80	— 2.06	0.28	6 25	..	..	..	..	..	..
Guelph.....	43° 33' 80° 16'	80° 16'	1050	69.1	+ 1.1	28 90.5	11 43.0	20 33.1	1.23	— 1.34	0.27	10 21	..	..	..	..	..	..
Listowel.....	43° 44' 80° 58'	80° 58'	1262	67.5	+ 0.7	15 86.0	16-26 44.0	19 24.2	1.51	— 1.43	0.58	4 27	..	..	..	..	..	..
London.....	42° 59' 81° 13'	81° 13'	808	69.2	+ 0.1	30 91.0	26 45.0	30 25.7	1.90	— 0.54	0.89	5 26	..	3	1	..	..	..
Paris.....	43° 12' 80° 25'	80° 25'	840	70.6	+ 0.8	25 92.0	22 48.0	30 24.9	0.50	— 1.96	0.36	3 28	..	3	..	..	..	..
St. Catharines.....	44° 5' 79° 47'	79° 47'	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Stratford.....	43° 23' 81° 0'	81° 0'	1191	67.8	+ 0.7	40 86.0	11-26 46.0	19 20.8	1.07	— 2.37	0.52	7 24	..	2	..	..	..	..
Woodstock.....	43° 8' 80° 47'	80° 47'	980	67.8	+ 0.7	40 86.0	11-26 46.0	19 20.8	1.07	— 2.37	0.52	7 24	..	..	..	..	..	..
Lake Ontario Counties																		
Agincourt.....	43° 47' 79° 16'	79° 16'	500	70.3	+ 0.9	18 94.0	16 46.0	20 24.7	0.78	— 1.45	0.25	5 23	..	1	1	..	..	..
Aurora.....	43° 57' 79° 24'	79° 24'	886	70.3	— 1	99.0	11 47.0	20 22.4	0.61	— 2.39	0.28	8 23	..	7	1	..	..	..
Georgetown.....	43° 38' 80° 2	80° 2	620	68.4	— 1.9	17 92.0	11 52.0	19 19.1	0.30	— 2.83	0.30	1 30	..	2	..	..	..	..
Hamilton.....	43° 16' 79° 54'	79° 54'	303	71.0	+ 1.0	30 95.0	11 52.0	19 19.1	0.30	— 2.83	0.30	1 30	..	2	..	..	..	..
Oshawa.....	43° 53' 78° 52'	78° 52'	331	68.7	— 5	90.0	12 49.0	19 21.5	0.87	—	0.65	6 25	..	..	..	..	..	..
Toronto.....	43° 49' 79° 24'	79° 24'	350	70.4	+ 1.3	73 92.6	11 47.9	20 20.4	1.00	— 1.93	0.34	12 19	..	3	..	..	..	..
Toronto Is (Lakeside Home)	43° 49' 79° 24'	79° 24'	.....	69.2	+ 3.0	10 93.0	11 50.0	20 18.4	—	—	—	—	..	..	..	..	..	..
Uxbridge.....	44° 5' 79° 8'	79° 8'	886	68.6	+ 0.6	10 89.0	9-16 43.0	20-30 24.5	0.92	— 2.99	0.50	5 26	..	..	..	..	..	..
Wexford.....	43° 44' 79° 17'	79° 17'	555	67.6	+ 1	92.0	17 45.0	20 18.2	0.73	—	0.29	7 24	..	3	..	..	..	..
East-Central Counties																		
Bancroft.....	45° 1' 77° 50'	77° 50'	.....	65.1	+ 1.0	23 89.0	16 40.0	28 27.4	0.67	— 2.53	0.67	1 30	..	..	..	..	..	..
Hahburton.....	45° 1' 78° 28'	78° 28'	1050	66.1	+ 0.8	27 93.0	16 37.0	20 30.3	0.49	— 2.77	0.25	3 28	2	1	..	..	..	..
Kinnon.....	44° 45' 78° 38'	78° 38'	920	65.1	+ 0.1	15 89.0	16 38.0	19 27.5	0.87	— 3.02	0.40	7 24	..	..	..	..	..	..
Lakefield.....	44° 25' 78° 15'	78° 15'	850	68.4	+ 0.9	27 89.0	8 49.0	2 18.6	0.14	— 2.63	0.35	6 25	..	2	..	..	..	..
Lindsay.....	44° 20' 78° 45'	78° 45'	872	65.7	+ 1.5	35 91.4	16 42.8	20 25.5	1.44	— 1.06	0.67	9 22	..	1	1	..	..	..
Madoc.....	44° 30' 77° 29'	77° 29'	575	65.7	+ 0.6	19 92.0	16 39.0	31 25.2	1.03	— 1.65	0.63	6 25	..	5	..	..	..	..
Norwood.....	44° 24' 77° 57'	77° 57'	.....	67.3	— 2	93.0	12 42.0	20 22.8	4.56	—	1.99	8 23	..	2	..	..	..	..
Peterboro.....	44° 17' 78° 19'	78° 19'	722	69.2	+ 0.8	44 92.0	11 40.0	20 25.0	0.77	— 1.93	0.53	6 26	..	..	..	..	..	..
Uxbridge.....	44° 54' 78° 18'	78° 18'	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..
QUEBEC—																		
Middle St. Lawrence	16° 30' 75° 20'	75° 20'	.....	65.6	—	1 96.0	14 40.0	30 29.1	2.02	—	0.90	6 25	..	..	..	..	..	..
Bark Lake Depot.....	16° 11' 70° 48'	70° 48'	557	62.9	— 1	90.0	17 41.0	22 33.1	2.34	—	0.73	10 21	..	2	9	..	..	..
Beauveillie.....	16° 10' 70° 36'	70° 36'	678	64.1	+ 1.4	31 89.0	15-17 39.0	22 22.3	1.40	— 2.83	0.35	11 20	..	2	2	..	..	..
Cap Rouge.....	16° 46' 71° 18'	71° 18'	920	64.5	— 1	89.0	17 45.0	22-30 21.1	1.66	—	0.58	11 20	..	2	..	..	..	..
Cedar Rapids.....	16° 21' 73° 5	73° 5	132	66.3	—	2 88.0	18 43.0	22 18.7	2.88	—	0.83	14 17	..	..	..	..	..	..
D'Israh.....	16° 55' 71° 21'	71° 21'	896	—	—	1 89.0	6	—	1.52	—	0.41	8 23	..	..	..	..	..	..
Drammondville.....	14° 30' 72° 30'	72° 30'	.....	65.0	—	1 88.0	18 40.0	22 24.3	0.82	—	0.42	4 27	..	6	4	..	..	..
Huldean.....	14° 59' 73° 41'	73° 41'	930	64.2	—	1 91.0	15 38.0	22	2.13	—	1.17	10 21	1	5	..	..	..	..
Huntingdon.....	14° 5' 74° 40'	74° 40'	.....	—	—	1 90.0	16	—	1.25	—	0.35	5 26	..	..	..	..	..	..
Jobette.....	14° 45' 73° 25'	73° 25'	.....	—	—	1 91.0	17	—	2.19	—	1.10	9 22	..	..	..	..	..	..
Lake Magog.....	45° 35' 70° 53'	70° 53'	1314	61.6	—	1 86.0	16 42.0	21-29 21.3	3.33	—	0.81	12 19	..	3	..	..	..	..
MacDonald College (Ste Anne de Bellevue).....	45° 27' 73° 59'	73° 59'	.....	—	—	8	—	—	—	—	—	—	—	—	—	—	—	..
Mamwaki.....	45° 39' 73° 35'	73° 35'	187	68.3	+ 0.7	40 91.0	17 41.5	32 18.9	3.03	—	1.90	7 24	..	4	..	..	..	..
Montreal.....	46° 15' 72° 36'	72° 36'	.....	69.6	—	1 90.0	17 33.0	2 18.9	3.03	—	0.86	7 24	..	4	..	..	..	..
Nomining.....	46° 27' 75° 0'	75° 0'	.....	64.3	—	1 83.0	14 39.0	22 24.2	1.88	—	0.86	7 24	..	4	..	..	..	..
Quebec.....	46° 48' 71° 13'	71° 13'	296	66.5	+ 0.4	40 91.5	16 45.5											

TEMPERATURE AND PRECIPITATION AT STATIONS IN THE DOMINION OF CANADA, JULY, 1914.

*Stations not furnished with Registering Thermometers.

STATION	TEMPERATURE										PRECIPITATION					
	Latitude	Longitude	Elevation above sea level, in feet	Mean	Difference from average.	1 Yrs Observations			Date	Lowest	Date	Mean daily range	Amount	Difference from average	Heaviest fall in month	
						Highest	Lowest	Date								
QUEBEC—Continued																
Lake St. John	48° 25' 71" 5	150°	66.3	+ 1.9	29 98 0	16	41 0	30	26.6	1 22	- 2 61	0 43	13 18	2 1	7	
Chicoutimi (1)	48 25 71 5	150	57.7	—	4 76 0	17	40 0	30	10.5	—	—	0 70	11 20	—	1	
Chicoutimi (2)	48 25 71 5	150	60.1	—	3 99 0	7	33 0	30	24.6	2 16	—	0 70	11 20	—	—	
La Louvre Rapids	48 23 74 18	1288														
Lake Edward	47 39 72 15	1333														
La Taque	47 27 72 48	520	65.1	—	3 95 0	15	42 0	30	25.2	3 13	—	1.17	8 23	—	5 6	
Mistassini	48 51 72 15	360	63.7	—	3 94 0	17	43 0	26	24.8	1 38	—	0.41	12 19	1 3	2	
Roberval	48 31 72 13	352	65.3	—	8 97 0	16	42 0	10	22.6	0 89	—	0.19	15 16	—	—	
The Northwestern Districts																
Abitibi	48 33 79 22	—	65.8	+ 1.7	19 90 0	14-15	38.0	19	23.0	1 98	- 0 79	0 74	6 25	—	3	
Amos	48 36 78 7	—	61.9	—	2 93 0	15	34 0	20	30.4	2 18	—	1 04	8 23	1	—	
Quinze Dam	47 34 79 16	—	64.8	—	1 96.0	15	39.0	27	28.9	2 37	—	0.85	6 25	—	—	
Temiskaming	46 44 79 7	—	70.8	—	2 100.0	15	40.0	29	30.0	1 49	—	0.36	9 22	—	—	
Ville Marie	47 55 79 25	—	65.4	—	1 94 0	14	32 9	2	35.7	1.00	—	0.50	3 28	—	3	
White Shore Lake	48 12 76 43	1394			3											
The North Shore																
Clarke City	50 10 66 25	—														
New BRUNSWICK—																
Chatham	47 3 65 29	21	65.8	— 0.9	40 90 0	14	42 5	10	24.2	2 07	- 1 65	0 30	15 16	—	2	
Dalhousie	48 4 66 22	39	63.6	+ 0.9	34 90 0	6	42.0	24	28.1	2.20	- 1 10	0 90	7 24	—	—	
Edmunston																
Fredericton	45 57 66 36	164	63.7	+ 2.3	40 89 0	15	40 0	2	26.6	2 37	- 1 25	1 02	10 21	—	8 2	
Fredericton (Exp. Farm)	106	64.2	—	1 89.0	16	40.0	2	26.9	2 59	—	0 75	8 23	1	6		
Grand Falls	47 2 67 44	—	68.2	—	1 83 0	17	49.0	3	18.2	2 27	—	1 11	6 25	—	—	
Moncton	46 9 64 45	50	62.8	+ 2.5	17 85 0	5	36.0	1	22.9	3 60	+ 0.62	2 10	4 27	—	1	
*Point Lepreau	45 4 66 28	30	55.6	+ 0.1	36 68 0	15	50.0	1	—	1 31	- 2 62	0 41	5 26	—	2 10	
St. John	45 17 66 4	70	59.5	+ 1.8	41 75 7	25	47.0	2	14.4	2 52	- 0 38	0.89	10 21	1	8	
St. Stephen	45 11 67 16	35														
Sussex	45 38 6 38	96	62.4	+ 2.3	17 84 0	7	35.0	2	24.7	2 62	- 0 16	1 19	4 27	—	3	
Williamsburg	46 20 66 43	—														
Woodstock																
NOVA SCOTIA—																
Advocate	45 19 64 46	—														
Annapolis Royal																
Antigonish	45 38 61 59	50	62.0	—	4 86 0	17	36 0	3-4	19.7	—	—	—	—	—	—	2
Berwick	45 5 64 50	—														
Halifax	44 39 63 36	88	61.4	+ 3.3	40 87 7	25	40.7	2	19.1	4 09	+ 0 53	2 01	13 18	—	2 7	
Kentville	45 3 64 36	40	60.5	—	3 84 0	16-17	35.0	2	22.0	1 47	—	0 64	7 24	—	2 1	
Kentville (2)																
Liverpool	44 0 64 40	56	67.1	—	2 85.0	6	37.0	5	24.7	3 75	—	2 24	8 23	—	3 1	
Middleton																
Nappan																
New Germany	45 46 64 34	—	61.5	—	1 84.0	7	35.0	2	22.2	3 61	—	1 50	9 22	—	—	
Parrsboro	41 30 64 42	—	66.8	—	3 86.0	15	41.0	24 25	23.2	0 92	—	0 42	3 28	—	—	
Port Hastings	45 23 64 19	40	59.3	+ 2.6	17 83 0	17	34.0	2	24.1	2 55	—	1.91	4 27	—	1	
*Sable Island, E. Pt	45 59 61 22	45														
Sable Island (Main Station)	43 57 60 6	25	55.8	+ 4.0	32 67 0	24	44.0	6	9.1	2 23	- 1 82	0 73	17 14	—	4 15	
Sutherland's River																
Sydney	46 10 60 10	35	61.5	+ 2.1	41 85 0	7	41.0	11	17.7	2 28	- 0 89	0 98	8 23	—	4	
Truro	45 22 63 18	77	61.6	+ 2.3	41 82 8	17	33.8	2	21.6	2 80	- 0 11	1 05	12 19	—	3 3	
Truro (2)	45 25 63 15	—	61.3	—	2 82 0	17	35.5	2	20.9	3 73	—	1 35	7 24	—	2	
Whitehead	45 15 61 8	20	55.9	+ 3.2	30 69 0	24	40.0	4	8.2	0 49	- 2 69	0 40	2 29	—	14	
Windsor	44 59 61 6	90	63.2	+ 3.4	12 84.0	16-26	40.0	2	20.2	1 66	- 1 77	1 12	9 22	—	2	
Wolfville	45 7 64 20	—	60.9	+ 4.1	15 83 1	17	39.2	3	22.5	1 19	- 1 09	0 69	10 21	—	1	
Yarmouth	43 50 65 2	65	59.0	+ 1.9	34 75 3	15	43.8	4 13 8	—	2 80	0 30	9 22	—	3	5	
P. E. ISLAND—																
Charlottetown	46 14 63 10	38	63.4	+ 2.2	39 81 0	15-25	39.0	2	16.6	2 14	- 0 79	0 68	9 22	—	2	
Charlottetown (Exp. Farm)	46 14 63 7	75	63.2	—	4 82 0	16-17	37.0	2	18.5	2 84	—	0.93	9 22	—	—	
Hamilton	46 25 63 48	—														
Somerside	46 18 63 51	—														
NEWFOUNDLAND—																
*Amour Point	51 28 56 51	—														
Burin	47 0 55 10	27														
*Cape Norman	51 38 55 52	—														
Fogo	49 43 51 17	30														
*Point Riche	50 42 57 25	35	53.3	+ 1.7	30 63 0	5 6	42.0	2	—	3 56	+ 0 41	1 80	6 25	—	7	
Port aux Basques	47 35 59 10	27	51.0	—	6 74 5	7	39.5	3	11.9	5 25	—	2 34	16 15	1	12	
St. George's	48 28 58 25	—	59.4	—	24 75 4	18	42.6	1	13.4	1 15	—	0 13	16 15	2	3	
St. John's	47 34 52 42	125	56.0	+ 2.9	42 82 0	19	39.0	2	15.0	4 13	+ 0 51	1 25	14 17	—	8	
BERMUDA—																
Prospect	32 17 64 46	151	77.9	+ 0.6	23 86 8	30	68.8	7	10.3	1 64	- 2 12	0.61	9 22	—	—	

* Temperature at Chicoutimi (2) regarded as impossible; maximum thermometer appears to be consistently 17 degrees too low, while minimum is correct.

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, &c., DURING JULY, 1914.

STATIONS.	RAINFALL.					SNOWFALL.					REMARKS
	Amount in inches.	No. of Days 01 or over.	No. of Fair Days.	Heaviest Fall in Month.	Date.	Amount in inches.	No. of Days.	Heaviest Fall in Month.	Date.		
BRITISH COLUMBIA—											
Alkali Lake.....	0.72	5	26	0.23	13	.....	.....	.....	.....	.....
Annis (Canoe Point).....	0.05	1	30	0.05	24	.....	.....	.....	.....	.....
Beaver Lake (Royal Oak).....	0.77	4	27	0.40	14	.....	.....	.....	.....	.....
Coquitlam.....	0.36	1	30	0.36	24	.....	.....	.....	.....	.....
Deeman's Island.....	1.59	12	19	—	—	.....	.....	.....	.....	.....
Ferguson.....	0.22	3	28	0.14	25	.....	.....	.....	.....	.....
Goldstream Lake.....	0.27	3	28	0.24	24	.....	.....	.....	.....	.....
Hornby Island.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hydraulic.....	1.46	7	24	0.49	4	.....	.....	.....	.....	.....
Iverville.....	0.32	3	28	0.25	25	.....	.....	.....	.....	.....
Jordan River.....	0.33	4	27	0.19	25	.....	.....	.....	.....	.....
Jordan River (Bear Creek).....	0.07	1	30	0.07	24	.....	.....	.....	.....	.....
Little Qualicum (Fr. Cr. V.I.).....	1.09	5	26	0.50	14	.....	.....	.....	.....	.....
Lumby.....	9.79	29	2	2.15	22	.....	.....	.....	.....	.....
Nanaimo Harbour.....	0.36	3	28	0.16	13	.....	.....	.....	.....	.....
Rock Creek.....	9.05	2	29	0.03	26	.....	.....	.....	.....	.....
Sooke Lake.....	0.95	.....	28	0.56	14	.....	.....	.....	.....	.....
Stamps Falls (Alberni).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wycliffe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ALBERTA—											
Bardo.....	1.39	7	24	0.38	5	.....	.....	.....	.....	.....
Beaver Mines.....	2.64	7	24	0.29	5	.....	.....	.....	.....	.....
Bianmark.....	1.68	9	22	0.45	5	.....	.....	.....	.....	.....
Bitteru Lake.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brooks.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bruderheim.....	1.32	3	28	0.92	13	.....	.....	.....	.....	.....
Caldwell.....	0.40	3	28	0.15	5	.....	.....	.....	.....	.....
Clareholme.....	0.55	3	28	0.45	4	.....	.....	.....	.....	.....
Coleman.....	0.97	4	27	0.26	13	.....	.....	.....	.....	.....
Conjuring Creek.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cree Bank Ranch (Cowley).....	0.95	3	28	0.53	13	.....	.....	.....	.....	.....
Doreen Lee (Bashaw).....	3.31	13	18	0.69	10	.....	.....	.....	.....	.....
Duastable (Five Lakes).....	0.00	0	31	0.00	—	.....	.....	.....	.....	.....
Grassy Lake.....	1.83	3	28	0.95	5	.....	.....	.....	.....	.....
Jumping Pound.....	0.20	6	25	0.06	6	.....	.....	.....	.....	.....
La Pearl.....	0.47	4	27	0.22	6	.....	.....	.....	.....	.....
Lathbridge.....	0.63	1	30	0.63	7	.....	.....	.....	.....	.....
Luham.....	0.40	2	29	0.27	5	.....	.....	.....	.....	.....
Lyndon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Macleod.....	0.81	4	27	0.41	4	.....	.....	.....	.....	.....
Mayercroft.....	1.04	2	29	0.70	13	.....	.....	.....	.....	.....
Mountain View.....	1.36	6	25	0.71	5	.....	.....	.....	.....	.....
Nanton.....	0.87	3	28	0.48	13	.....	.....	.....	.....	.....
Nateby.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pekisko.....	1.97	7	24	0.45	4	.....	.....	.....	.....	.....
Ponoka.....	1.67	3	28	1.43	14	.....	.....	.....	.....	.....
Roycroft Ranch (Mannville).....	0.22	3	28	0.10	15	.....	.....	.....	.....	.....
Seven Persons.....	0.64	3	28	0.56	5	.....	.....	.....	.....	.....
Waterton Mills.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SASKATCHEWAN—											
Gull Lake.....	0.19	2	29	0.17	10	.....	.....	.....	.....	.....
Gull Lake (Fks. Swift Cur.).....	0.33	4	27	0.10	6	.....	.....	.....	.....	.....
Wapashoe.....	0.34	4	27	0.22	16	.....	.....	.....	.....	.....
MANITOBA—											
Cartwright.....	1.30	8	23	0.35	12	.....	.....	.....	.....	.....
Deloraine.....	3.06	7	24	1.64	12	.....	.....	.....	.....	.....
Rapid City.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
ONTARIO—											
Bow Park Farm (Brantford).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Deer Park.....	0.66	7	24	0.30	22	.....	.....	.....	.....	.....
Dutton.....	2.40	4	27	0.91	14	.....	.....	.....	.....	.....
Emdale.....	0.76	6	25	0.27	23	.....	.....	.....	.....	.....
Fort Frances.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Valley.....	1.79	6	25	1.05	18	.....	.....	.....	.....	.....
Grantham.....	0.83	5	26	0.39	22	.....	.....	.....	.....	.....
Long Lake (Zena).....	1.28	3	28	0.92	23	.....	.....	.....	.....	.....
MacCue.....	0.86	6	25	0.32	21	.....	.....	.....	.....	.....
Ningara Falls.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nipigon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Point Clark.....	0.83	7	24	0.55	21	.....	.....	.....	.....	.....
Rock Chapel (Grimbsy).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Strathroy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sydenham.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Watford.....	1.32	5	26	0.50	12	.....	.....	.....	.....	.....
Wawaunit Falls.....	2.34	3	25	1.98	12-14	.....	.....	.....	.....	.....
Westminster.....	0.78	4	27	0.47	23	.....	.....	.....	.....	.....
Westport.....	1.57	6	25	0.68	23	.....	.....	.....	.....	.....

PRECIPITATION AT STATIONS REPORTING RAIN, SNOW, WEATHER, ETC., DURING JULY, 1911.

STATIONS	RAINFALL.					SNOWFALL.					REMARKS
	Amount in inches	No. of Days .01 or over	No. of Fair Days.	Heaviest Fall in Month	Date	Amount in inches	No. of Days.	Heaviest Fall in Month	Date		
QUEBEC—											
Kipawa Dam	1 41	5	26	0 60	16	.....	.....	.....	.....	.....	.....
Lucerne	1 54	8	23	0 55	23	.....	.....	.....	.....	.....	.....
Perkins Mills.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quinze Dam.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Timiskaming .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEW BRUNSWICK—											
Point Escuminac	0 91	9	22	0 23	8	.....	.....	.....	.....	.....	.....
NOVA SCOTIA—											
Milton	2 42	2	29	1 72	19	.....	.....	.....	.....	.....	.....
South Alton	2 38	8	23	1 47	13	.....	.....	.....	.....	.....	.....
White Rock .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

PRESSURE, HUMIDITY, CLOUDINESS AND WIND AT STATIONS OF THE FIRST CLASS DURING THE
MONTH OF JULY, 1914.

a Barometer not reduced to sea level

FREQUENCY OF THE WIND FROM THE EIGHT CARDINAL POINTS AT STATIONS OF
THE SECOND CLASS, DURING THE MONTH OF JULY, 1914

STATION	DIRECTION OF WIND FROM								C.	Total number of Observations
	N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.		
ALBERTA—										
Athabasca Landing.....	0	0	0	1	7	2	13	8	0	31
Beaver Lodge.....	0	0	6	0	3	9	35	9	0	62
Didsbury.....	0	3	5	3	3	4	2	7	0	27
Halkirk (Emsburg).....	5	6	8	9	8	4	0	22	0	62
Hillsdown.....	0	2	0	11	4	3	0	26	16	62
Loveland.....	1	9	4	4	4	13	10	17	0	62
Macleod.....	0	0	0	2	3	9	33	11	0	58
Ranfurly (Waitefield).....	7	5	11	9	6	8	15	19	13	93
Sion.....	2	3	0	15	16	4	37	10	0	87
SASKATCHEWAN—										
Brownhill (Grenfell).....	2	7	3	7	6	21	3	13	0	62
Chaplin.....	1	0	3	6	14	4	21	2	11	62
Crescent Lake.....	1	3	4	5	13	16	4	7	9	62
Estevan.....	3	0	3	6	2	5	9	0	3	31
Fort Qu'Appelle.....	2	3	11	21	8	3	14	0	0	62
Indian Head.....	1	9	5	11	13	12	23	13	6	93
Kamsack.....	0	0	7	8	0	0	1	2	13	31
Larchmount (Panbrum).....	0	3	3	3	0	39	11	3	0	62
Muenster (St. Peter's Monastery).....	4	1	4	4	0	13	19	17	0	62
Onion Lake.....	7	3	3	1	0	3	9	2	0	28
Pense (Gatesgarth).....	0	0	1	9	1	8	7	5	0	31
Wascoa.....	1	6	0	4	0	2	2	16	0	31
Yarbo (Fairfield).....	2	3	1	2	5	4	11	1	2	31
MANITOBA—										
Berens River.....	2	7	3	10	2	26	12	7	7	76
Brandon.....	9	7	5	6	18	21	9	14	4	93
Hillview.....	5	7	5	8	8	8	7	4	10	62
Moose Horn Bay (Aitkensville).....	10	0	6	5	4	11	16	4	6	62
Morden.....	12	2	4	3	14	5	11	3	8	62
Oak Bank.....	6	5	2	4	8	14	13	5	0	57
Stony Mountain.....										
ONTARIO—										
Agincourt.....	7	5	28	20	5	6	3	19	0	93
Alton.....	26	0	28	2	4	1	19	13	0	93
Beatrice.....	12	1	1	8	4	3	2	11	51	93
Birnam.....	17	3	2	5	10	1	4	13	7	62
Brucefield.....	7	2	5	4	6	3	5	30	0	62
Cottam.....	21	1	10	15	4	2	3	2	0	58
Guelph.....										
Gravenhurst.....	10	3	12	17	5	6	8	24	28	93
North Bruce.....										
Orillia.....	2	2	2	6	5	1	10	3	0	31
Port Dover.....	4	9	2	3	1	4	3	5	0	31
Stoney Creek.....	3	31	18	0	0	25	15	1	0	93
Wexford.....	2	0	5	1	0	2	1	5	15	31
QUEBEC—										
Abitibi.....	22	3	4	5	19	3	26	5	0	87
Anticosti, Heath Point.....	1	12	8	1	2	10	42	5	12	93
Anticosti, West Point.....	8	16	2	0	39	6	10	12	0	93
Bicquet.....	1	7	0	0	2	39	8	1	35	93
Brome.....	17	8	4	2	9	7	40	3	3	93
Cape Chatte.....	0	0	3	0	0	0	54	0	36	93
Cape Magdalen.....	0	0	0	3	18	7	3	37	25	93
Cap Rouge.....	3	4	0	0	0	2	0	22	0	31
Cedars.....	4	6	5	0	0	8	5	3	0	31
Chicoutimi.....	0	27	0	12	0	13	2	15	24	93
Clarke City.....										
NEW BRUNSWICK—										
Dalhousie.....	0	0	12	0	0	0	13	0	5	30
Moncton.....	1	4	1	4	5	5	4	7	0	31
Pt. Leprechaux.....	2	4	20	4	2	26	10	13	0	81
Sussex.....	1	8	0	0	1	5	4	4	8	31
NOVA SCOTIA—										
Kentville.....	2	2	2	2	4	0	17	2	0	31
Liverpool.....	1	1	16	0	1	5	2	5	0	31
Sable Island, E. Pt.....										
Whitehead.....	4	0	8	1	2	14	1	1	0	31

MEAN PROPORTION OF BRIGHT SUNSHINE REGISTERED IN EACH HOUR OF THE DAY IN THE MONTH OF JULY 1914

STATION.	HOURS ENDING																	
	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.
British Columbia																		
Shawnigan Lake	80	.77	.78	.74	.78	.81	.85	.82	.78	.74	.78	.77	.30	.47	...	...
Victoria	.01	.53	.72	.78	.83	.81	.81	.87	.85	.79	.77	.69	.69	.80	.56	...	...
Salmon Arm	.01	.59	.67	.74	.80	.80	.72	.68	.69	.67	.70	.64	.61	.63	.54	.05	...	
Nanaimo	.09	.55	.67	.61	.72	.70	.77	.77	.76	.66	.68	.73	.73	.63	.44	.04	...	
Sidney	.12	.67	.77	.80	.77	.77	.81	.88	.90	.85	.77	.75	.80	.86	.55	T	...	
Vancouver	.04	.52	.79	.85	.74	.70	.71	.71	.80	.72	.69	.69	.75	.72	.60	.10	...	
Agassiz	20	.55	.68	.76	.74	.74	.76	.76	.77	.79	.69	.62	.52	.13	...	...
Trenquille	.33	.68	.75	.78	.85	.82	.80	.78	.74	.77	.71	.63	.56	.38	.04	...		
Summerland	.14	.75	.86	.87	.84	.84	.77	.80	.77	.76	.76	.76	.71	.68	.36	...	...
Kamloops	.10	.57	.71	.78	.80	.81	.74	.80	.75	.70	.69	.62	.56	.51	.42	10	...	
Harper's Ranch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Invermere	.06	.60	.78	.77	.83	.84	.85	.80	.82	.76	.72	.66	.61	.63	.42	.02	...	
Alberta																		
Edmonton	.17	.53	.62	.67	.76	.80	.82	.86	.84	.81	.78	.72	.67	.60	.47	.08	...	
Lethbridge	.17	.76	.79	.87	.90	.90	.85	.87	.89	.83	.79	.81	.85	.84	.78	.59	...	
Lacombe	.29	.57	.73	.80	.85	.89	.86	.84	.84	.85	.74	.61	.59	.57	.12	...		
Medicine Hat	.17	.82	.88	.90	.92	.91	.87	.94	.87	.86	.90	.85	.77	.75	.68	.18	...	
Fort Dunvegan	.35	.73	.83	.86	.89	.85	.79	.78	.69	.56	.55	.53	.46	.17	...	...
Fort Vermilion	.07	.51	.71	.79	.71	.70	.64	.71	.75	.78	.79	.73	.70	.68	.67	.48	.31	.05
Saskatchewan																		
Battleford	.10	.58	.68	.77	.80	.83	.86	.81	.77	.82	.81	.77	.78	.70	.62	.14	...	
Indian Head	.25	.64	.72	.77	.85	.87	.85	.87	.87	.82	.79	.78	.69	.57	.37	...		
Moosejaw	.42	.72	.75	.84	.82	.84	.85	.82	.81	.78	.80	.80	.74	.72	.65	.26	...	
Scott	.02	.43	.72	.73	.78	.82	.77	.78	.73	.75	.76	.81	.82	.73	.33	T	...	
Rosthern	.25	.65	.68	.71	.88	.81	.81	.87	.79	.81	.77	.72	.64	.65	.62	.32	...	
Manitoba																		
Brandon	01	.25	.72	.73	.77	.78	.82	.87	.89	.85	.84	.72	.37	.02	...	...
Winnipeg	.09	.53	.61	.69	.74	.76	.72	.72	.80	.77	.70	.75	.73	.64	.53	.04	...	
Le Pas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ontario																		
Haileybury	.07	.54	.66	.67	.68	.71	.70	.68	.70	.72	.74	.73	.70	.61	.47	.09	...	
Woodstock	.18	.49	.67	.68	.72	.72	.70	.71	.74	.75	.76	.71	.62	.61	.39	T	...	
Lindsay	24	.59	.65	.67	.71	.67	.66	.67	.64	.64	.63	.62	.54	.42	.03	...		
Barrie	.33	.48	.55	.64	.73	.68	.68	.70	.71	.63	.59	.57	.48	...	...	...
Guelph	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Toronto	.22	.60	.67	.67	.72	.72	.76	.73	.71	.69	.66	.60	.50	.42	.07	...		
Kingston	.01	.35	.65	.73	.74	.71	.74	.74	.73	.65	.62	.68	.59	.51	.40	.02	...	
Ottawa	.04	.57	.67	.70	.69	.73	.79	.78	.75	.68	.66	.66	.61	.63	.54	.04	...	
Quebec																		
Montreal	40	.69	.73	.76	.76	.82	.82	.73	.77	.72	.56	.62	.56	.17	...	...
Cap Rouge	.02	.34	.55	.66	.73	.72	.75	.79	.73	.64	.65	.69	.68	.62	.44	.01	...	
Quebec	24	.47	.55	.67	.70	.74	.76	.75	.67	.70	.73	.70	.61	.36	...	...
Ste Anne de la Pocatiere	T	45	.59	.64	.63	.74	.82	.74	.81	.75	.63	.69	.63	.60	.49	.10	...	
Sherbrooke	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
New Brunswick																		
Fredericton	33	.47	.57	.62	.64	.63	.61	.64	.64	.65	.62	.65	.55	.55	.26	...		
Prince Edward Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Charlottetown	.08	.38	.47	.49	.51	.59	.64	.61	.59	.64	.66	.66	.67	.60	.33	...	...
Nova Scotia																		
Nappon	18	.35	.47	.56	.61	.64	.59	.70	.74	.71	.68	.64	.66	.48	.16	...		
Wolfville	.03	.41	.50	.55	.57	.59	.58	.61	.60	.65	.67	.66	.60	.57	.49	.14	...	
Kentville	22	.44	.52	.58	.58	.62	.63	.63	.64	.67	.60	.56	.49	.46	.07	...		

SUMMARY OF SUNSHINE RECORDS

Thunder recorded:

1. Sion, Sioux Lookout, Montague, Woodstock, N.B., North Gower, Stonecliffe, Springdale, Sable Island.
2. Chaplin, Whitewood, Crescent Lake, Port Burwell, Springdale, Sion, Loveland.
3. Deloraine, Saskatoon, Haleyonia, Muenster, Sioux Lookout, Kakabeka Falls, Nipigon, Ignace, Schreiber, Morden, Oakbank, Dauphin, Banff, Halkirk, Edmonton, Minnedosa, Westley, Perry Siding, Nakusp, Port Arthur, Winnipeg, Anglia, Ranfurly, Springdale, Athabasca Landing, Sion, Campsie.
4. Saskatoon, Brandon, Banff, Nakusp, East Arrow Park, Dunstable, Springdale, Ronalane, Sion, Perbeck, Loveland, Hillsdown, Expanse Coulee, Campsie, Beaver Lodge, Halkirk, Brownhill.
5. Rapid City, Deloraine, Chaplin, Saskatoon, Crescent Lake, Morrisburg, Brome, Shawinigan Falls, Banff, Calgary, Minnedosa, Kelowna, Wilmer, Nakusp, Kereenos, East Arrow Park, Ottawa, Montreal, Huberdean, Causapscal, Nicolet, Sorel, Hillsview, Swan Lake, Morden, Almasippi, North Gower, Aitkensville, Ranfurly, Pekisko, Athabasca Landing, Sion, Long Lake, Brownhill, Fort Vermilion.
6. Savanne, Calgary, Swift Current, Revelstoke, Springdale, Perbeck, Loveland, Beaver Lodge, Gull Lake, Brownhill, Fort Vermilion H.
7. Rapid City, Chaplin, Pense, Haleyonia, Crescent Lake, Owen Sound, Sion, Ranfurly, Springdale, Halkirk, Campsie, Beaver Lodge, Brome, Shawinigan Falls, Drummondville, Hillview, Almasippi, Ninette, Oakbank, Treherne, Edmonton, Prince Albert, Moose Jaw, Muenster, Dunstable, Fort Qu'Appelle, Brownhill, Fort St. James.
8. Crescent Lake, Savanne, Dryden, Morrisburg, Georgetown, Paris, Hamilton, Drummondville, Moneton, Sutherland River, Brandon, Fredericton, Sion, Aitkensville, Gravenhurst, Swift Current, Qu'Appelle, Minnedosa, Ranfurly, Brownhill.
9. Westport, Imperial, Haleyonia, Muenster, Savanne, Sioux Lookout, Madoc, Kakabeka Falls, Schreiber, Almasippi, Oakbank, Woodstock, Ont., Gravenhurst, Edmonton, Chicoine, Port Arthur, Springdale, Sion, Campsie, Babine Lake.
10. Westport, Rutherglen, Bisco, Savanne, Sioux Lookout, Madoc, Wawatim, Sion, Long Lake, Morrisburg, Haliburton, Almonte, Haileybury, Montague, Nipigon, Huberdeau, Mistassini, Chicon-timi, Maniwaki, Morden, Almasippi, Gravenhurst, Medicine Hat, Swift Current, Qu'Appelle, Salmon Arm, Hydraulic, Cochrane, Port Arthur, Parry Sound, Montreal, Muenster, Dunstable, Beaver Lodge, Gull Lake, Fort St. James.
11. Emsdale, Westport, Rapid City, Pambrum, Saskatoon, Haleyonia, Muenster, Beatrice, Madoc, Kakabeka Falls, Nicolet, Haliburton, Norwood, Ignace, Renfrew, Brome, Abitibi, Beauseville, D'Israeli, Shawinigan Falls, Sion, Cedars, Sorel, Glacier, East Arrow Park, Crawford Bay, Chicoine, Armstrong, Kingston, Stonecliffe, Ottawa, Quebec, La Tuque, Huberdeau, Lake Megantic, Drummondville, Brandon, Hillview, Almasippi, Oakbank, Springdale, Campsie, Beaver Lodge, Aitkensville, Rock Creek, Gravenhurst, Minnedosa, Kelowna, Tappen, Salmon Arm, Rossland, Quesnelle, Princeston, Nelson, Kereenos, Hydraulic.
12. Wiarton, Saskatoon, Haleyonia, Birnam, Kakabeka Falls, Paris, St. Lin, Sion, Hillsdown, Expanse Coulee, Alix, Red Deer, Kentville, Parrsboro, Sussex, East Arrow Park, Enderby, Armstrong, Winnipeg, Port Stanley, Sydney, Fredericton, Woodstock, Ont., Invermere, Lundbreck, Banff, Calgary, Kelowna, Boswell, Wilmer, Westley, Tappen, Summerland, Salmon Arm, Richlands, Quesnelle, Nakusp, Monte Creek, Grand Forks, Golden, Glacier, Anglia, Rostherne, Creebank Ranch, Ponoka, Ranfurly, Springdale, Okotoks, Loveland, Babine Lake.
13. Chaplin, Imperial, Saskatoon, Haleyonia, Rostherne, Muenster, Alton, Loveland, Lundbreck, Halkirk, Campsie, Beaver Lodge, Rutherglen, Birnam, Clinton, Paris, Port Dover, London, Lindsay, Rathmullan, Banff, Medicine Hat, Swift Current, Gateway, Boswell, Wilmer, Sion, Vavenby, Salmon Arm, Rossland, Richlands, Nelson, Monte Creek, Grand Forks, Foothills, Port Arthur, Port Stanley, Port aux Basques, Toronto, Tranquille, Anglia, Jumping Pound, Maycroft, Ranfurly, Springdale, Macleod, Perbeck, Mountain View.

14. Pense, Haleyonia, Kindersley, Melfort, Clinton, Georgetown, Aitkensville, Halkirk, Edmonton, Prince Albert, Moose Jaw, Gateway, Vavenby, Richlands, Pemberton Meadows, Port Stanley, London, Ranfurly, Springdale, Sion, Perbeck, Loveland, Hillsdown, Fort Vermilion.

15. Whitewood, Haleyonia, Crescent Lake, Sioux Lookout, Morrisburg, Ignace, Windsor, N.S., Aitkensville, Qu'Appelle, Minnedosa, Tappen, Fruitlands, Armstrong, Port Stanley, Creebank Ranch, Sion, Lundbreen, Hillsdown, Expanse Coulee.

16. Westport, Alton, Sioux Lookout, Kakabeka Falls, Nipigon, Abitibi, North Gower, Prince Albert, Port Arthur.

17. Rutherglen, Madoc, Lakefield, Almonte, Port Dover, Montague, Bromley, Sion, Chicoutimi, Beausejour, Ottawa, Montreal, Quebec, St. George's, La Tuque, D'Israeli, Shawinigan Falls, Huberdeau, Mistassini, Cap Rouge, Ste. Anne de la Pocatiere, Tadoussac, St. Lin, Nicolet, Lake Megantic, Maniwaki, Sorel, Drummondville, Almasissippi, North Gower, Fredericton, Gravenhurst, Prince Albert, Stonecliffe.

18. Rutherglen, La Malbaie, Causapscal, Ste. Anne de la Pocatiere, Drummondville, Point Lepreux, Moncton, Halifax, Sydney, Charlottetown, St. George's, La Tuque, Woodstock, N.B., Antigonish, Sussex, Liverpool, Sion, Grand Falls, Fredericton, Winnipeg, St. John, Athabasca Landing, Loveland, Sable Island, Babine Lake.

19. St. Lin, Sutherland's River, Antigonish, Liverpool, Golden, Halifax, Sion, Sydney, St. George's, Truro, Brazeau Forest, Campsie.

20. Deloraine, Yarbo, Whitewood, Pense, Haleyonia, Crescent Lake, Yellow Grass, Jumping Pound, Perbeck, Loveland, Hillsdown, Sioux Lookout, Kakabeka Falls, Haliburton, Ignace, Aitkensville, Sion, Banff, Qu'Appelle, Gateway, Boswell, Salmon Arm, Nicola Lake, Muenster, Fort Qu'Appelle, Fort Vermilion II.

21. Agincourt, Savanne, Wexford, Sioux Lookout, Madoc, Lakefield, Georgetown, Norwood, Ignace, Sutherland River, Windsor, N.S., Morden, Almasissippi, Treherne, Fredericton, Gravenhurst, Prince Albert, Salmon Arm, Sion, Richlands, Winnipeg, Parry Sound, Kingston, Charlottetown, Toronto.

22. Sioux Lookout, Kakabeka Falls, Haliburton, Richlands, Port Arthur, Haileybury, Truro, Springdale, Sable Island.

23. Wiarton, Westport, Crescent Lake, Wexford, Madoc, Georgetown, Morden, Sion, Almasissippi, Ninette, Oakbank, Treherne, Gravenhurst, Edmonton, Beswell, Westley, Salmon Arm, Quesnelle, East Arrow Park, Chileotin, Port Stanley, Kingston, London, Springdale, Lundbreen, Hillsdown, Expanse Coulee, Red Deer.

24. Rapid City, Whitewood, Birmin, Wawaitin, Brandon, Morden, Almasissippi, Sion, Springdale, Harmattan, Perbeck, Campsie, Ninette, Aweme, La Tuque, Oakbank, Treherne, Minnedosa, Winnipeg, Dunstable.

25. Westport, Whitewood, Saskatoon, Pense, Yellow Grass, Kindersley, Melfort, Rutherglen, Wawaitin, Kakabeka Falls, Kingston, Stonecliffe, Sion, Ottawa, Montreal, Quebec, St. John, La Tuque, Morrisburg, Montague, Perbeck, Schreiber, Bromley, D'Israeli, Shawinigan Falls, Cedars, Huberdeau, Cap Rouge, Ste. Anne de la Pocatiere, Sorel, Lake Megantic, Maniwaki, Drummondville, Point Lepreux, Fredericton, Grand Falls, Hillview, Morden, Alix, Almasissippi, Treherne, Bauff, Swift Current, Prince Albert, Minnedosa, Quesnelle, Hydramie, Port Arthur, Winnipeg, Ranfurly, Springdale, Hillsdown, Halkirk, Klintonel, Fort St. James.

26. Savanne, Dryden, Kakabeka Falls, Nipigon, Ignace, Schreiber, Kentville, Sussex, Middleton, Oakbank, Fredericton, Qu'Appelle, Port Arthur, Sydney, Truro (2), Harmattan, Sable Island.

27. Wiarton, Deloraine, Whitewood, Crescent Lake, Alton, Wexford, Kakabeka Falls, Georgetown, Hamilton, Markdale, Morden, Fredericton, Qu'Appelle, Creston, Chileotin, Southampton, Toronto, Truro, Sion, Babine Lake.

28. Chaplin, Whitewood, Saskatoon, Pense, Haleyonia, Crescent Lake, Yellow Grass, Kindersley, Rossmore, Aitkensville, Swift Current, Qu'Appelle, Sion, Minnedosa, Dunstable, Ranfurly, Athabasca Landing, Loveland, Hillsdown, Halkirk, Campsie.

29. Crescent Lake, Rathmullen, Aitkensville, Ranfurly, Halkirk.

30. Melfort, Sioux Lookout, Abitibi, Rossland, Halkirk, Expanse Coulee.

31. Rapid City, Chaplin, Pense, Mistassini, Morden, Almasissippi, Oakbank, Sion, Treherne, North Gower, Rathmullen, Aitkensville, Medicine Hat, Swift Current, Minnedosa, Westley, Perry Siding, Anglia, Creebank Ranch, Dunstable, Ponoka, Ranfurly, Springdale, Daysland, Perbeck, Loveland, Hillsdown, Halkirk, Alix, Red Deer.

Auroras recorded:

- 1.
- 2.
- 3.
4. Wawaitin, Kakabeka Falls IV, Lucknow IV, Schreiber III, Causapscal, Morden I, Southampton IV, Brownhill II.
5. Sorel, Winnipeg.
- 6.
- 7.
- 8.
9. Quebec IV.
- 10.
- 11.
12. Estevan, Aweme IV.
- 13.
- 14.
- 15.
- 16.
17. Chicoutimi.
- 18.
19. Montague.
20. Haileybury III.
21. Sioux Lookout.
22. Anglia II, Sioux Lookout, Halkirk.
23. Chaplin IV, Haleyonia, Anglia II, Sioux Lookout.
24. Larchmount, Chaplin IV, Haleyonia, Anglia II, Sioux Lookout, Dryden, Aitkensville II, Cape Magdalen, Moose Jaw, Ranfurly II, Fort Vermilion.
25. Larchmount I, Chaplin IV, Anglia II, Haliburton II, Lucknow IV, Aweme II, Qu'Appelle, Haileybury III, Fort Vermilion.
26. Anglia IV, Sioux Lookout, Aweme III, Swift Current, St. John IV.
27. Larchmount II, Waseca, Anglia I, Wawaitin, Schreiber III, Aweme III, Chinook Cove, Haileybury IV, Ranfurly III, Expanse Coulee, Brownhill IV, Fort St. James.
28. Waseca, Anglia II, Wawaitin, Kakabeka Falls, Chinook Cove, St. George's, Haileybury III, Sion III.
29. Yellow Grass, Anglia III, Rutherglen IV, Haliburton IV, Lucknow IV, Amos, Huberdeau IV, Causapscal, Morden III, Aweme III, Cape Magdalen, Gravenhurst, Edmonton III, Quebec IV, Haileybury IV, Ranfurly III.
30. Larchmount II, St. Walbury II, Anglia III, Brantford, Montague, Mistassini III, Medicine Hat, Edmonton IV, Qu'Appelle, Quebec IV, St. George's, Haileybury III, Ranfurly III, Halkirk, Sion II, Fort St. James, Fort Vermilion.
31. Anglia IV, Chicoutimi, Edmonton I, Ranfurly IV, Fort St. James.

FORECASTS FOR JULY, 1914

The forecasts issued by this office at 11 p.m. each night, are posted up at every telegraph station in Canada, and are for the 24 hours beginning at 8 a.m. the following day.

The number of these predictions issued during the month was 1262. These were divided as follows:

DISTRICT.	Issued.	VERIFIED.			Per- centage.
		No. Fully.	No. Partly.	No. Not.	
Alberta.....	80	54	22	4	81.3
Saskatchewan.....	81	62	15	4	85.8
Manitoba.....	81	59	19	3	84.6
Lake Superior.....	121	87	27	7	83.1
Lower Lake Region.....	117	91	21	5	86.8
Georgian Bay.....	118	90	25	3	86.9
Ottawa Valley.....	99	76	16	7	84.8
Upper St. Lawrence.....	99	79	13	7	86.4
Lower St. Lawrence.....	114	86	23	5	85.5
Gulf.....	118	80	30	8	81.5
Maritime Provinces West.....	118	82	29	7	81.8
Maritime Provinces East.....	116	86	24	6	81.5
Total.....	1262	932	264	66	84.3

In order to obtain the percentage of verification of the predictions, the number partly verified is divided by two and added to the number fully verified, and the result divided by the total number issued.

In ascertaining to what extent the predictions have been verified, the reports from the agents at all observing stations, as well as the telegraphic reports, are used.

R. F. STUPART, Director.

Meteorological Office, Toronto,

September 15th, 1914.

